

Source Water Assessment Report



Public Water Supply: MITCHELL CO RWD 2

**Assessment Areas Include:
936**



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Reports were generated with the Automated Source Water Assessment Tool (ASWAT). Assessments were completed online using ASWAT by hundreds of state employees, public water supply staff, and technical assistant providers throughout the State of Kansas.

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Report Description

Detailed Explanation of Entire Report:

The 1996 amendments to the Safe Drinking Water Act require each state to develop a Source Water Assessment Program (SWAP) and a Source Water Assessment (SWA) for each Public Water Supply (PWS) that treats and distributes raw source water. In Kansas there are 761 public water supplies that require SWAs. A SWA includes a delineation of the source water assessment area, an inventory of potential contaminant sources, and a susceptibility analysis.

A PWS can consist of one or more individual assessment areas that require different assessments. In general, an assessment area is delineated at a two-mile fixed radius for a groundwater well. A surface water intake assessment area is the upstream-drainage area (watershed), inside the state border. Additionally, an assessment area can consist of an individual well, group of wells, an individual surface water intake, or multiple surface water intakes.

After each assessment is completed a report is automatically generated using an Internet-based application called the Automated Source Water Assessment Tool (ASWAT). The individual assessment reports combine to form the entire SWA report for a PWS.

A map of each Assessment Area was also generated with ASWAT. However, for security reasons the maps are not included in this report. To obtain a copy of the map(s), please contact your local PWS.

All PWS reports will be available for viewing and downloading on KDHE's Watershed Management Section website(<http://www.kdhe.state.ks.us/nps>) in 2004.

MITCHELL CO RWD 2 Summary:

AA	Type	Diversion Id
936	Surface water single intake	999

Public Water Supply: **MITCHELL CO RWD 2**
Assessment Area: **936**
Diversion Id's: **999**
Status: **Accepted**
Submit Date: **2003-01-30 15:36:40**

Executive Summary:

The Executive Summary gives the assessment area's Susceptibility Likelihood Score (SLS) for each contaminant of concern category.

SLS indicates which contaminant category is most likely to impact a given public water supply. Contaminants of concern for groundwater include microbiological, inorganic compounds, nitrates, synthetic organic compounds, pesticides, and volatile organic compounds. Contaminants of concern for surface water include microbiological, inorganic compounds, eutrophication – phosphorus, sedimentation, synthetic organic compounds, pesticides, and volatile organic compounds.

To determine the assessment area's susceptibility to contamination, a qualitative (semi-quantitative) screening level susceptibility analysis was designed that utilizes general assumptions and best professional judgement. It is a systematic procedure comprised of simple yes/no questions. Each question in the susceptibility analysis focuses on the presence or absence of potential pollution sources in the assessment area. SLS is most useful in helping the Public Water Supply (PWS) focus on water quality protection actions towards a contaminant category of concern. For example, if the SLS for microbiological contamination is high, relative to volatile organic compounds (VOC), water supply protection planners would conclude that the attention should be directed towards microbiological contaminant sources rather than VOC sources.

Executive Summary

Public Water Supply: **MITCHELL CO RWD 2**
Assessment Area: **936**

Susceptibility Likelihood Scores for Assessment Area

	A	B	B1	B2	C	C*	D
Susceptibility Likelihood Score – SLS	46	52	63	62	56	43	54
SLS Range	Low	Mid	Mid	Mid	Mid	Low	Mid

A – Microbiological

B2 – Sedimentation

C* – Pesticides

B – Inorganic Compounds

C – Synthetic Organic Compounds

D – Volatile Organic Compounds

B1 – Eutrophication – Phosphorous

Susceptibility Likelihood Range

SLS Range	
0–50	Low Susceptibility
51–80	Moderate Susceptibility
81–100	High Susceptibility

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Potential Sources:

The Potential Sources section lists all the sites that have been identified as potential sources of contamination.

Potential sources of contamination may include land uses, industry, or businesses that could generate or store chemicals/substances that could potentially contaminate the water supply only if released into the environment. Both unregulated sites from business location databases and regulated sites from various KDHE databases were compiled. Additional sites could have been added by an evaluator through the assessment process to supplement the original data.

The 1987 Standard Industrial Classifications (SIC) were used to identify potential contaminate sites. The SIC system classifies establishments into industries on the basis of the primary activities of the establishment.

Each assessment area is delineated with 3 assessment zones. These zones can be used to get a general understanding of the potential influence sites have based on proximity to the water supply. Zone A is a 100-foot radius around a groundwater well and a 1000-foot radius around a surface water intake. Zone B is a 2000-foot radius around wells and a hydrological delineated buffer around the surface water sources. Zone C is a 2-mile radius around wells and the balance of the watershed for intakes. The potential sources listed in this section are sorted to show all the potential sources in Zone A first, Zone B second, and Zone C third.

Although a facility or business is identified in the study as a potential concern, it does not necessarily mean a release or spill has occurred. Contamination could only occur if certain chemical substances are released into the environment and filter into the water supply source.

The data for the potential sources of contamination was compiled from May through August in 2002. Some of the databases used were incomplete datasets that are continually being updated. Due to the incompleteness, inaccuracies, and new development, it is possible that sources of potential contamination that are in the assessment area are not included in the report. Inaccurate locations could also cause sources to show up in the assessment area that are not actually in the assessment. Additionally, duplication between the datasets could cause sites to show up multiple times in the assessment area.

Potential Sources

Public Water Supply: **MITCHELL CO RWD 2**

Assessment Area: **936**

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
196248	General Farm, Primarily Crop	191	B
196790	Veterinary Services, Specialties	742	B
196226	Single-family Housing Construction	1521	B
196227	Single-family Housing Construction	1521	B
196861	Meat Packing Plant Manufacturing	2011	B
196791	Flour Mill and Other Food Grain Milling	2041	B
196268	Newspapers Publishing and Printing	2711	B
196829	Newspapers Publishing and Printing	2711	B
196224	Farm Machinery and Equipment	3523	B
196228	Farm Product Warehousing and Storage	4221	B
196834	Farm Product Warehousing and Storage	4221	B
196860	Farm Product Warehousing and Storage	4221	B
196875	Farm Product Warehousing and Storage	4221	B
196263	Recreational vehicle sales and repair	5012	B
196225	Farm and Garden Machinery	5083	B
196229	Farm and Garden Machinery	5083	B
196265	Gasoline Service Station	5541	B

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
196819	Gasoline Service Station	5541	B
197308	Gasoline Service Station	5541	B
196256	Recreational Vehicle Parks and Campsites	7033	B
196272	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	B
196851	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	B
196235	Auto Truck Repair Service	7538	B
196236	Auto Truck Repair Service	7538	B
196864	Auto Truck Repair Service	7538	B
196865	Auto Truck Repair Service	7538	B
196876	Golf Course	7992	B
161466	General Farm, Primarily Crop	191	C
161467	General Farm, Primarily Crop	191	C
161512	General Farm, Primarily Crop	191	C
161513	General Farm, Primarily Crop	191	C
161514	General Farm, Primarily Crop	191	C
208056	General Farm, Primarily Crop	191	C
208263	General Farm, Primarily Crop	191	C
208491	General Farm, Primarily Crop	191	C
209173	General Farm, Primarily Crop	191	C
209424	General Farm, Primarily Crop	191	C

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
210216	General Farm, Primarily Crop	191	C
210600	General Farm, Primarily Crop	191	C
211101	General Farm, Primarily Crop	191	C
211110	General Farm, Primarily Crop	191	C
212149	General Farm, Primarily Crop	191	C
212834	General Farm, Primarily Crop	191	C
212839	General Farm, Primarily Crop	191	C
212840	General Farm, Primarily Crop	191	C
212842	General Farm, Primarily Crop	191	C
212844	General Farm, Primarily Crop	191	C
212862	General Farm, Primarily Crop	191	C
213091	General Farm, Primarily Crop	191	C
213093	General Farm, Primarily Crop	191	C
213094	General Farm, Primarily Crop	191	C
213097	General Farm, Primarily Crop	191	C
199331	Cattle Farm	211	C
209177	Cattle Farm	211	C
209621	Cattle Farm	211	C
212029	Cattle Farm	211	C
212030	Cattle Farm	211	C
212151	Cattle Farm	211	C
212835	Cattle Farm	211	C
212838	Cattle Farm	211	C

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
212845	Cattle Farm	211	C
196869	Cattle Working Area	212	C
208552	Dairy Farms	241	C
161854	Veterinary Services, Specialties	742	C
162033	Veterinary Services, Specialties	742	C
199431	Veterinary Services, Specialties	742	C
199455	Veterinary Services, Specialties	742	C
208389	Veterinary Services, Specialties	742	C
208610	Veterinary Services, Specialties	742	C
209186	Veterinary Services, Specialties	742	C
210072	Veterinary Services, Specialties	742	C
210073	Veterinary Services, Specialties	742	C
210134	Veterinary Services, Specialties	742	C
210135	Veterinary Services, Specialties	742	C
212181	Veterinary Services, Specialties	742	C
209155	Animal Specialty Services	752	C
212032	Animal Specialty Services	752	C
213089	Animal Specialty Services	752	C
208305	Oil and Gas Field services	1389	C
208308	Oil and Gas Field services	1389	C
208461	Oil and Gas Field services	1389	C
208488	Oil and Gas Field services	1389	C
208573	Oil and Gas Field services	1389	C

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
208577	Oil and Gas Field services	1389	C
208749	Oil and Gas Field services	1389	C
209429	Oil and Gas Field services	1389	C
209434	Oil and Gas Field services	1389	C
209638	Oil and Gas Field services	1389	C
210158	Oil and Gas Field services	1389	C
212159	Oil and Gas Field services	1389	C
161516	Single-family Housing Construction	1521	C
199317	Single-family Housing Construction	1521	C
207991	Single-family Housing Construction	1521	C
208249	Single-family Housing Construction	1521	C
208466	Single-family Housing Construction	1521	C
208471	Single-family Housing Construction	1521	C
208536	Single-family Housing Construction	1521	C
208551	Single-family Housing Construction	1521	C
208724	Single-family Housing Construction	1521	C
208746	Single-family Housing Construction	1521	C
209395	Single-family Housing Construction	1521	C
210198	Single-family Housing Construction	1521	C
210230	Single-family Housing Construction	1521	C
210571	Single-family Housing Construction	1521	C
210572	Single-family Housing Construction	1521	C
212033	Single-family Housing Construction	1521	C

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
212147	Single-family Housing Construction	1521	C
213067	Single-family Housing Construction	1521	C
213068	Single-family Housing Construction	1521	C
161982	Nonresidential Construction	1542	C
199464	Nonresidential Construction	1542	C
199633	Nonresidential Construction	1542	C
212177	Nonresidential Construction	1542	C
213069	Nonresidential Construction	1542	C
209280	Highway and Street Construction	1611	C
210195	Highway and Street Construction	1611	C
161508	Meat Packing Plant Manufacturing	2011	C
208498	Meat Packing Plant Manufacturing	2011	C
209307	Meat Packing Plant Manufacturing	2011	C
211072	Flour Mill and Other Food Grain Milling	2041	C
212040	Prepared Feeds For Animals and Fowls	2048	C
199292	Wood Kitchen Cabinets Manufacturing	2434	C
161912	Newspapers Publishing and Printing	2711	C
199423	Newspapers Publishing and Printing	2711	C
208402	Newspapers Publishing and Printing	2711	C
208403	Newspapers Publishing and Printing	2711	C
208579	Newspapers Publishing and Printing	2711	C
209334	Newspapers Publishing and Printing	2711	C

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
210137	Newspapers Publishing and Printing	2711	C
212041	Newspapers Publishing and Printing	2711	C
161921	Commercial Printing NEC	2759	C
161855	Pesticides and Agricultural Chemicals Manufacturing	2879	C
209228	Chemical Preparations Manufacturing	2899	C
209187	Asphalt Paving Mixtures And Blocks Manufacturing	2951	C
161856	Plastics products Manufacturing	3089	C
199293	Plastics products Manufacturing	3089	C
207994	Ready-mix Concrete Plant	3273	C
209188	Ready-mix Concrete Plant	3273	C
161945	Farm Machinery and Equipment	3523	C
199639	Farm Machinery and Equipment	3523	C
208311	Farm Machinery and Equipment	3523	C
208517	Farm Machinery and Equipment	3523	C
209189	Farm Machinery and Equipment	3523	C
210577	Farm Machinery and Equipment	3523	C
161857	Machinery, Except Electrical Manufacturing	3599	C
208446	Machinery, Except Electrical Manufacturing	3599	C
209152	Machinery, Except Electrical Manufacturing	3599	C

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
161858	Travel trailers and Campers Manufacturing	3792	C
210225	Travel trailers and Campers Manufacturing	3792	C
199366	Signs and Advertising Display Manufacturing	3993	C
209409	Signs and Advertising Display Manufacturing	3993	C
209417	Signs and Advertising Display Manufacturing	3993	C
199314	Local Trucking, without Storage	4212	C
199323	Local Trucking, without Storage	4212	C
199384	Local Trucking, without Storage	4212	C
208747	Local Trucking, without Storage	4212	C
209151	Local Trucking, without Storage	4212	C
209648	Local Trucking, without Storage	4212	C
210219	Local Trucking, without Storage	4212	C
210578	Local Trucking, without Storage	4212	C
212178	Local Trucking, without Storage	4212	C
160810	Farm Product Warehousing and Storage	4221	C
161504	Farm Product Warehousing and Storage	4221	C
161517	Farm Product Warehousing and Storage	4221	C
161518	Farm Product Warehousing and Storage	4221	C

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
161533	Farm Product Warehousing and Storage	4221	C
161541	Farm Product Warehousing and Storage	4221	C
161996	Farm Product Warehousing and Storage	4221	C
162039	Farm Product Warehousing and Storage	4221	C
199296	Farm Product Warehousing and Storage	4221	C
199336	Farm Product Warehousing and Storage	4221	C
199338	Farm Product Warehousing and Storage	4221	C
199463	Farm Product Warehousing and Storage	4221	C
199640	Farm Product Warehousing and Storage	4221	C
207995	Farm Product Warehousing and Storage	4221	C
208041	Farm Product Warehousing and Storage	4221	C
208060	Farm Product Warehousing and Storage	4221	C
208085	Farm Product Warehousing and Storage	4221	C
208250	Farm Product Warehousing and Storage	4221	C
208264	Farm Product Warehousing and Storage	4221	C
208314	Farm Product Warehousing and Storage	4221	C
208518	Farm Product Warehousing and Storage	4221	C
208539	Farm Product Warehousing and Storage	4221	C
208580	Farm Product Warehousing and Storage	4221	C
208581	Farm Product Warehousing and Storage	4221	C
208726	Farm Product Warehousing and Storage	4221	C
209129	Farm Product Warehousing and Storage	4221	C
209245	Farm Product Warehousing and Storage	4221	C

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
209439	Farm Product Warehousing and Storage	4221	C
209642	Farm Product Warehousing and Storage	4221	C
211097	Farm Product Warehousing and Storage	4221	C
212042	Farm Product Warehousing and Storage	4221	C
212043	Farm Product Warehousing and Storage	4221	C
212150	Farm Product Warehousing and Storage	4221	C
212183	Farm Product Warehousing and Storage	4221	C
212185	Farm Product Warehousing and Storage	4221	C
212837	Farm Product Warehousing and Storage	4221	C
212847	Farm Product Warehousing and Storage	4221	C
212848	Farm Product Warehousing and Storage	4221	C
213073	Farm Product Warehousing and Storage	4221	C
162011	Pipeline Terminal	4789	C
199337	Refuse Systems	4953	C
199340	Refuse Systems	4953	C
208351	Refuse Systems	4953	C
162035	Recreational vehicle sales and repair	5012	C
212045	Recreational vehicle sales and repair	5012	C
210584	Construction and Mining Machinery	5082	C
160813	Farm and Garden Machinery	5083	C
161470	Farm and Garden Machinery	5083	C
161511	Farm and Garden Machinery	5083	C
161859	Farm and Garden Machinery	5083	C

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
161860	Farm and Garden Machinery	5083	C
161861	Farm and Garden Machinery	5083	C
199330	Farm and Garden Machinery	5083	C
199456	Farm and Garden Machinery	5083	C
208261	Farm and Garden Machinery	5083	C
208315	Farm and Garden Machinery	5083	C
208489	Farm and Garden Machinery	5083	C
209178	Farm and Garden Machinery	5083	C
209194	Farm and Garden Machinery	5083	C
209195	Farm and Garden Machinery	5083	C
210186	Farm and Garden Machinery	5083	C
210210	Farm and Garden Machinery	5083	C
210585	Farm and Garden Machinery	5083	C
211105	Farm and Garden Machinery	5083	C
212047	Farm and Garden Machinery	5083	C
212156	Farm and Garden Machinery	5083	C
208333	Scrap and Waste Materials	5093	C
209617	Scrap and Waste Materials	5093	C
209620	Scrap and Waste Materials	5093	C
209643	Scrap and Waste Materials	5093	C
210211	Scrap and Waste Materials	5093	C
161520	Gasoline Service Station	5541	C
161521	Gasoline Service Station	5541	C

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
161853	Gasoline Service Station	5541	C
199316	Gasoline Service Station	5541	C
199325	Gasoline Service Station	5541	C
199646	Gasoline Service Station	5541	C
207990	Gasoline Service Station	5541	C
208042	Gasoline Service Station	5541	C
208104	Gasoline Service Station	5541	C
208254	Gasoline Service Station	5541	C
208439	Gasoline Service Station	5541	C
209303	Gasoline Service Station	5541	C
209241	Mobile Home Park	6515	C
208526	Sporting and Recreational Camps	7032	C
210223	Sporting and Recreational Camps	7032	C
210553	Sporting and Recreational Camps	7032	C
161872	Recreational Vehicle Parks and Campsites	7033	C
210591	Recreational Vehicle Parks and Campsites	7033	C
161893	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
161910	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
161994	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
199342	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
199430	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
208266	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
208440	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
208470	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
209135	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
209238	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
209275	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
210067	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
210221	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
212088	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
212841	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
213081	Top, Body, and Upholstery Repair Shops and Paint Shops	7532	C
161482	Auto Truck Repair Service	7538	C
161874	Auto Truck Repair Service	7538	C
161875	Auto Truck Repair Service	7538	C
161876	Auto Truck Repair Service	7538	C
161990	Auto Truck Repair Service	7538	C
162023	Auto Truck Repair Service	7538	C
162027	Auto Truck Repair Service	7538	C
199365	Auto Truck Repair Service	7538	C
199390	Auto Truck Repair Service	7538	C
199652	Auto Truck Repair Service	7538	C
207999	Auto Truck Repair Service	7538	C
208323	Auto Truck Repair Service	7538	C
208342	Auto Truck Repair Service	7538	C
208417	Auto Truck Repair Service	7538	C
208592	Auto Truck Repair Service	7538	C
208735	Auto Truck Repair Service	7538	C
208736	Auto Truck Repair Service	7538	C
209237	Auto Truck Repair Service	7538	C
209239	Auto Truck Repair Service	7538	C
209240	Auto Truck Repair Service	7538	C
209298	Auto Truck Repair Service	7538	C

Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
209345	Auto Truck Repair Service	7538	C
209644	Auto Truck Repair Service	7538	C
210177	Auto Truck Repair Service	7538	C
210202	Auto Truck Repair Service	7538	C
210212	Auto Truck Repair Service	7538	C
212089	Auto Truck Repair Service	7538	C
212090	Auto Truck Repair Service	7538	C
212091	Auto Truck Repair Service	7538	C
213090	Auto Truck Repair Service	7538	C
208324	Car Wash	7542	C
209266	Car Wash	7542	C
209281	Car Wash	7542	C
161878	Repair Services, Nec	7699	C
199444	Repair Services, Nec	7699	C
210560	Repair Services, Nec	7699	C
212855	Repair Services, Nec	7699	C
199348	Golf Course	7992	C
199654	Golf Course	7992	C
208334	Golf Course	7992	C

Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2000722	Pahls, Edwin	A-SOMC-BA13	B

Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2000779	Krier, Dan	A-SOOB-B004	B
2001159	Becker, Robert	A-SOMC-B008	B
2001617	Gasper, Neal M.	A-SOMC-BA25	B
2001776	Angell, Jane Verhage	A-SOOB-SA01	B
2001891	Brummer, Kevin Verlan	A-SOOB-BA12	B
2001916	Schmitt, Eugene H.	A-SOMC-B009	B
2000057	Traffas Veterinary Services P.A.	A-SOSM-B016	C
2000080	Rice, Michael	A-SOSM-S012	C
2000085	Dennis, Merlin L.	A-SOPL-S014	C
2000157	Borgmann, Roger	A-SOSM-MA01	C
2000225	Goddard Sons	A-SOGH-BA01	C
2000299	Naiman, Lane S.	A-URDC-SA03	C
2000318	Davis, Paul	A-URNT-MA06	C
2000330	Rice, Michael	A-SOSM-MA05	C
2000344	Book, Gailard	A-SOPL-MA01	C
2000428	Mans, Richard	A-SOOB-BA10	C
2000454	Dennis, Larry	A-SOPL-S018	C
2000475	Taylor Farms	A-SOPL-M003	C
2000481	Wallace, Leon R	A-SOOB-M002	C
2000510	Hrabe Jersey Farm	A-SORO-MA05	C
2000532	Zimmerman, Carl	A-SOSM-MA02	C
2000555	Augustine, Galen	A-SOGH-M003	C
2000599	Cole, Bradley R.	A-SOSM-BA08	C

Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2000627	Desaire, Gerald	A-SOGH-S001	C
2000638	Greif, Ron	A-SOMC-BA31	C
2000657	Sunny Slope Dairy	A-SOOB-MA01	C
2000718	La Rosh, Jhan	A-SOOB-M003	C
2000744	Streit Brothers	A-SOOB-S010	C
2000750	Roach Brothers	A-SOOB-SA04	C
2000776	Ducharm, Alfred L.	A-SOPL-BA09	C
2000842	Benoit Dairy	A-SORO-M005	C
2000896	Stamper, Larry	A-SORO-BA04	C
2000907	Miller, Steven D. Farms	A-SOPL-B008	C
2000911	Van Loenen Farms, L.l.c.	A-SOPL-B005	C
2000918	Cordel, Edward A.	A-SOOB-BA11	C
2000941	Streit, Benedict	A-SOOB-B005	C
2000988	Overmiller Stock Farms, Inc.	A-SOSM-SA08	C
2000989	Kriley, Robert	A-SORO-S003	C
2001014	Stockman, Bruce	A-SOPL-BA07	C
2001047	Schoen, Walter	A-SOJW-SA01	C
2001052	Swayne Angus	A-SOGH-B002	C
2001063	McClellan, Robert	A-SORO-BA05	C
2001100	Chester, Cecil	A-SOPL-BA05	C
2001103	Farmland Industries	A-SOPL-S016	C
2001110	Stamper Kent	A-SORO-BA03	C
2001112	Stanley, Larry	A-SOSM-SA06	C

Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2001114	Henke, Randy	A-SOOB-B003	C
2001123	Carswell, Deryl	A-SOOB-S007	C
2001174	Merklein, Paul	A-SOPL-B004	C
2001188	Lambert, Cecil	A-SOSM-S007	C
2001201	Holling, Ronald	A-SOOB-S004	C
2001214	Sproul, Joe	A-SONT-M001	C
2001233	Gaspar Dairy	235	C
2001234	Ochampaugh Dairy	A-SORO-M006	C
2001286	Maxwell Brothers	A-SOSM-S017	C
2001288	Kingsbury, Larry Joe	A-SOSM-SA05	C
2001298	Windy Hill Swine Feeders	A-SOSM-SA09	C
2001309	Schlatter, Walter	A-SOSM-S022	C
2001384	Roush Farms	A-SOSM-S005	C
2001414	Norden, Evelyn	A-SOPL-BA06	C
2001416	Nickelson, Ron	A-SOGH-S005	C
2001428	Eck, Leon	A-SOMC-S013	C
2001433	Schmitt, Ralph	A-SOMC-BA27	C
2001442	Schroeder Brothers	A-SOOB-BA07	C
2001443	Schroeder Brothers	A-SOOB-BA08	C
2001461	B M Mongeau Farms L.l.c. (site #2)	A-SORO-BA02	C
2001509	Albers, Stan	A-SOSD-BA07	C
2001511	Arment, Galen	A-SOSM-BA04	C
2001523	Wahlmeier, Carl	A-URDC-BA09	C

Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2001531	Lemon, Ronald E.	A-SOSD-BA06	C
2001547	Schroeder Bros.	A-SOOB-BA04	C
2001556	Schooler Farms	A-SOPL-BA04	C
2001578	Wire, Robert	A-SOSM-BA03	C
2001604	Sealock Farm	A-SOSD-B004	C
2001606	D/t Cattle Co.	A-SOGH-BA02	C
2001620	Reynolds, Darel L.	A-SOPL-S026	C
2001634	Eck, Leon	A-SOMC-S017	C
2001712	Overmiller Farms, Inc.	A-SOSM-S008	C
2001731	C T Farms	A-SONT-S003	C
2001736	R. L.w. Farms, Inc.	A-SOSM-S019	C
2001767	Arnoldy Bros.	A-SOMC-BA01	C
2001800	Hanke Farms	A-SOPL-S015	C
2001812	Reinert, Edgar N.	A-SOOB-BA13	C
2001849	Morris, James L.	A-SOPL-BA10	C
2001851	Arnoldy, Roderick	A-SOOB-B007	C
2001892	Ferguson Zy Farms/dairy	A-SOSM-M002	C
2001894	Losey, Roger Mark	A-SOPL-B002	C
2001896	Levin Farms, Inc.	A-SOSM-B017	C
2001909	Spring Valley Farms	A-SOPL-BA02	C
2001934	Wagner, Eugene	A-SOOB-BA03	C
2001935	Goddard Feedlot	A-SOGH-B001	C
2001939	Corpstein Brothers	A-SOMC-BA10	C

Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2001940	Flyin A Partnership	A-SONT-BA02	C
2001957	Schamberger, Clarence	A-SOSD-B006	C
2001973	Mc Kenzie, Kelly	A-SOSM-B008	C
2002035	Peterson Farms	A-SOSM-C003	C
2002098	Tien, Henry	A-SOPL-S001	C
2002099	Kuhlman, Louis	A-SOSM-B013	C
2002100	Carswell, Darwin	A-SOOB-B006	C
2002102	Bienhoff, Robert	A-SOSM-BA10	C
2002108	Tien, Marion Sons	A-SOPL-S027	C
2002112	Goetz, Dean	A-SOGH-S004	C
2002114	Kats, Derek	A-SOPL-B006	C
2002117	Bienhoff, Curtis	A-SOSM-BA07	C
2002120	Sweat Acres, Inc.	A-SOSM-BA01	C
2002125	Rock Creek Cattle Co	A-SOGH-B003	C
2002152	W S Ranch, Inc.	A-SOSM-B012	C
2002159	Benoit Feeders	A-SORO-B002	C
2002191	D D Swine, Inc.	A-SOTH-S004	C
2002246	Norden, Don	A-SOPL-S013	C
2002247	Norden Bros., Inc.	A-SOPL-BA01	C
2002249	Nichols Feedyard	A-SOSM-BA02	C
2002278	H D Cattle Company	A-SOMC-B010	C
2002283	Cordel, Robert	A-SOJW-S020	C
2002303	Hofer Bros, Inc.	A-SOSM-B009	C

Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2002305	Schlitz, J.f., Jr.	A-SOSD-BA01	C
2002319	McCreynold's Farms	A-SOOB-BA09	C
2002328	Taylor Ranch	A-SOSD-B002	C
2002351	Sealock Farms	A-SOSD-B005	C
2002361	Schneider, Lloyd	238	C
2002365	Dudley And Acre	A-SOJW-BA01	C
2002381	New Hope Farms, Inc.	A-SOSM-B011	C
2002393	Circle 3 Cattle	A-SOPL-BA03	C
2002402	Kirchhoff, Raegan Todd	A-SOSM-B004	C
2002403	Osborne Industries-demo Farm	A-SOOB-S011	C
2002404	Taylor, Tony	A-SOPL-S028	C
2002433	Zable, Loren	A-SOSM-C166	C
2002435	G.h.k. Farms	A-SOTH-BA04	C
2002444	Kendig Feedlot	A-SOOB-B002	C
2002456	Solomon Valley Swine	A-SOOB-S001	C
2002465	Davignon Farms	A-SOGH-B004	C
2002473	Lehmann Farms, Inc.	A-SOSM-B005	C
2002514	Clydesdale, Robert	A-SONT-B001	C
2002598	Grunts Grain Farms	A-SOPL-H003	C
2002619	Stephens Farms, Inc.	A-SOTH-C002	C
2002624	Vaughn Feedlot	A-SOTH-C006	C
2002629	Premium Pork, Inc.	A-SOPL-H002	C
2002658	MPK Land Livestock Llc	A-SOSM-C002	C

Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2002675	R L Feeders	A-SOOB-C001	C
2002682	Allen Feedlot	A-SOSD-C004	C
2002688	David Ranch Feedlot	A-SONT-C001	C
2002693	Renner, Craig	A-SONT-H001	C
2002695	Taylor Swine, Llc.	A-URPL-H008	C
2002697	Ferguson Bros., Inc.	A-SOPL-C001	C
2002738	H H Farms, Inc.	A-SOTH-C001	C
2002764	Mccarty Dairy	A-SOTH-D001	C
2002828	Graham County Feedyard L.L.C.	A-SOGH-C001	C
2002837	Baalman Feedyard	A-SOSD-C001	C
2002844	Schwarz Feedlot Inc.	A-SOTH-C004	C
2002847	Rooks County Feeders	A-SORO-C001	C
2002885	Halford Cattle Co.	A-SOTH-C003	C
2002931	Hoxie Feedyard, Inc.	A-SOSD-C002	C

Regulated Hazardous Waste Potential Site Sources

Did Not Contain Any Of These Potential Site Sources

Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3000167	Fraziers Service	02008	B

Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3000287	Conoco, Bobs, Cawker City	03525	B
3000553	Farmway Coop Inc	06363	B
3000840	Glen Elder St Park	08711	B
3000935	Winkel Body Machine	11061	B
3001611	Downs Oil Co	26133	B
3002140	Glen Elder Marina	28778	B
3000018	Hill City Airport	00095	C
3000031	Midway Coop, Alton	00148	C
3000043	Warren's Iga	00239	C
3000162	Gaylord Service	01957	C
3000166	Farmway Coop Elevator	02002	C
3000170	Morgan Oil Co	02043	C
3000173	Wagoner Oil	02079	C
3000175	New Almelo Oil	02082	C
3000187	Comfort Motel Serv Station	02169	C
3000188	Shorty's Standard	02177	C
3000236	Cadoret Oil Co.	02856	C
3000238	Farmers Union Merc Shipping	02887	C
3000269	Logan Farmers Union Coop, Phillipsburg	03266	C
3000284	Athol Coop, Old Station	03481	C
3000293	Scrivner Warehouse	03602	C
3000295	Thunderbird Oil	03641	C
3000316	Adee Farm	03868	C

Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3000335	B B Redi Mix	04107	C
3000347	Gus Rahjes Sons	04233	C
3000386	Bohl Construction Inc	04792	C
3000399	James Inc	04958	C
3000450	Penokee Coop	05565	C
3000456	Kn Energy	05680	C
3000462	Usd 237, High School	05813	C
3000465	Usd 269, Palco	05845	C
3000467	Usd 280, Morland	05854	C
3000468	Usd 281, Hill City Hs	05855	C
3000487	Usd 392, Osborne	05963	C
3000513	Graham County Hospital	06168	C
3000524	Osborne Co Mem Hospital	06232	C
3000526	Phillips Co Hospital	06236	C
3000530	Smith Co Memorial Hospital	06255	C
3000554	Farmway Coop	06364	C
3000660	Cameron's Corner	06784	C
3000727	B Worcester Farm	07123	C
3000790	Graham Co, Hwy Dept	07871	C
3000795	Rooks Co Hwy Dept	07895	C
3000797	Smith Co Hwy Dept, Shop	07903	C
3000806	City Of Hill City	08220	C
3000810	Logan City Shop	08308	C

Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3000813	Osborne Airport	08418	C
3000815	Dennie's Repair	08458	C
3000819	Smith Center, City Of	08529	C
3000821	Stockton Power Plant	08544	C
3000876	Gaylord Elementary	08975	C
3000954	C L Service	11793	C
3000967	Heartland Motors	12095	C
3001043	Frieling Grain	14532	C
3001048	Smith Center Glass	14665	C
3001092	James Inc	15993	C
3001115	Knob Trenching	16780	C
3001127	Rangeland Coop, Prairie View	17221	C
3001135	Matteson Motor	17546	C
3001136	Mccarty Garage	17588	C
3001147	Minico	17941	C
3001148	Money Chevrolet	17988	C
3001164	Texaco, Pooch's	18768	C
3001214	Tebo Implement Inc	20588	C
3001300	Hardman Lumber Co	23404	C
3001357	Dg Hansen Trust Shop	24093	C
3001358	Farmland Industries, Phillipsburg	24095	C
3001446	Faa, Vortac	25332	C
3001487	Brady Grain Inc.	25555	C

Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3001502	Phillipsburg Airport	25626	C
3001509	Megaffin, Scott	25690	C
3001541	Smith Center, City Shop	25817	C
3001575	White, Bob	25973	C
3001600	Kats, Derek	26089	C
3001614	Tj Ranch	26142	C
3001616	Osborne Power Plant, Osborne	26151	C
3001639	Norden, Don	26260	C
3001743	Kdot, Smith Center	26675	C
3001744	Kdot, Osborne	26676	C
3001745	Kdot, Phillipsburg	26677	C
3001749	Kdot, Stockton	26685	C
3001751	Kdot, Hill City	26688	C
3001839	Vans Mini Mart (eastside)	27121	C
3001858	Kirwin Natl Wildlife Refuge	27220	C
3001879	Bedker Ranch	27324	C
3001952	Downs Oil Co	27598	C
3001970	Cliffs Welding	27671	C
3001973	Van Allen Farm	27730	C
3001982	Bohl, Ralph	27850	C
3001998	Jmp Enterprise	27984	C
3002051	Thunderbird Oil Hardware	28292	C
3002080	Hill City Airport	28451	C

Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3002129	Stockton, City Of	28737	C
3002138	Kirwin Irrigation Dist	28769	C
3002139	Webster Irrigation Dist., alton	28770	C
3002160	Conoco, Nixons	28875	C
3002177	Phillipsburg Coop, Gretna	28962	C
3002178	Jarvis Farm	28963	C
3002206	Hoover Farm	29110	C
3002235	Lehmann Farms Inc	29274	C
3002246	Dg Hansen Scout Reservation	29312	C
3002266	Wards Service	29390	C
3002277	Usd 392, Alton/osborne Jr High	29445	C
3002333	The Huddle	29713	C
3002406	Farmway Coop, Bulk	40265	C
3002513	Colburn Oil Co	80253	C
3002514	Stockton Correctional Facility	80254	C
3002515	Stockton Monument	80255	C
3002518	Cohn, John	80265	C
3002519	St Boniface Church	80266	C
3002524	Sears	80283	C
3002525	Boogarts Truck Terminal	80284	C
3002564	Portis Community Center	80351	C
3002570	Centel	80385	C
3002571	Beyerlein, Dan	80386	C

Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3002587	Osborne City Airport	80446	C
3002588	Krier, Leo	80447	C
3002602	Most Repair	80497	C
3002631	Bill's Body Shop	81126	C
3002634	Jayhawk Rock Shop	81137	C
3002642	Swank Standley Storage	81155	C
3002654	Vacant Lot, Osborne	81192	C
3002656	Charlie's Repair Shop	81194	C
3002666	Keith, Ralph	81219	C
3002671	Lewis Oil Co	81233	C
3002744	Fleming, Lowell	81398	C
3002760	Smith Co Shop	81434	C
3002773	Harmon Enterprises	81472	C
3002800	Woodston School (abandoned)	81556	C
3002821	Hrabe Farms	81614	C

Regulated Identified Contaminated Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
7000797	CAWKER CITY SITE	C506270766	B
7000916	DOWNS PWS #3	C607100517	B
7000015	KAW PIPELINE – RAY DISCHARGE	C608271215	C

Regulated Identified Contaminated Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
7000024	KAW PIPELINE – ZIEGLER	C609071218	C
7000906	STITES, WILBUR	C603300085	C
7000907	ROYAL ACID	C603300090	C
7000917	ALTON PWS WELL #1	C607170241	C
7000918	FARMLAND INDUSTRIES, INC., PHILLIPSBURG	C607400013	C
7000919	KIRWIN COOP	C607400141	C
7000920	KIRWIN PWS SITE	C607470110	C
7000921	STUTTGART CARBON TET SITE	C607470156	C
7000933	KENSINGTON NITRATE PROBLEM	C609270403	C
7000934	GAYLORD PWS WELL #4	C609270711	C
7000935	MAIN KANSAS STREETS	C609270920	C
7000937	HIGH PLAINS CHEMICAL COMPANY (SCHMITT BROTHERS A	C609700036	C

Regulated Solid Waste Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
5000074	Graham County	0116–S	C
5000111	Rooks County	0138–S	C
5000131	City of Phillipsburg	0149–S	C
5000133	Smith County	0151–S	C
5000170	Sheridan County	0181–S	C

Regulated Solid Waste Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
5000173	City of Lebanon	0183-S	C
5000174	Osborne County	0184-S	C
5000315	Tamko Roofing Products, Inc.	0306-S	C
5000381	Phillips County	0374-S	C
5000500	Farmland Industries	0485-S	C
5000786	Smith County	0760-S	C
5000787	Osborne County	0761-S	C

Regulated Waste Water Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
6000535	CAWKER CITY – WACONDA RES.	F-SO08-OO01	B
6000901	DOWNS-YORK PACKING CO.	I-SO12-NP01	B
6001786	DOWNS MWWTP	M-SO12-OO01	B
6001790	KDWP – GLEN ELDER(EAST)	M-SO18-NO02	B
6001791	KDWP – GLEN ELDER(WEST)	M-SO18-NO03	B
6000206	TURNBULL OIL INC.	I-SA14-PO02	C
6000214	OSBORNE COUNTY HIGHWAY DEPARTMENT	I-SO29-PO02	C
6000273	KENSINGTON MWTP	M-SO21-OO01	C
6000274	LENORA	M-SO24-OO01	C
6000491	HANSEN, DANE G. SCOUT RESERVATION	C-SO22-NO01	C
6000903	TAMKO ROOFING PRODUCTS,INC. OF KANSAS	I-SO31-PO01	C

Regulated Waste Water Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
6000904	MINERAL RIGHT, INC.	I-SO31-PO04	C
6000905	FARMLAND INDUSTRIES – PHILLIPSBURG	I-SO31-PO05	C
6000906	FARMLAND INDUSTRIES – PHILLIPSBURG	I-SO31-PO05	C
6000907	STOCKTON INDUSTRIAL PARK	I-SO41-NO02	C
6001777	AGRA MWTP	M-SO01-NO01	C
6001778	ALTON MWTP	M-SO02-NO01	C
6001784	DAMAR MWTP	M-SO10-NO01	C
6001788	GAYLORD MWTP	M-SO15-NO02	C
6001793	HILL CITY MWTP	M-SO19-OO01	C
6001794	HILL CITY MWTP	M-SO19-OO01	C
6001795	HILL CITY MWTP	M-SO19-OO01	C
6001796	HILL CITY MWTP	M-SO19-OO01	C
6001797	HOXIE MWTP	M-SO20-OO01	C
6001798	KENSINGTON	M-SO21-OO02	C
6001799	KIRWIN MWTP	M-SO22-NO01	C
6001800	LEBANON MWTP	M-SO23-NO01	C
6001801	LENORA	M-SO24-NO01	C
6001802	LOGAN MWTP	M-SO25-OO01	C
6001805	MORLAND MWTP	M-SO28-NO01	C
6001806	MORLAND MWTP	M-SO28-NO01	C
6001807	OSBORNE WWTP	M-SO29-OO02	C
6001808	PALCO MWTP	M-SO30-OO01	C
6001809	PHILLIPSBURG MWTP	M-SO31-OO01	C

Regulated Waste Water Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
6001810	PHILLIPSBURG MWTP	M-SO31-OO01	C
6001811	PRAIRIE VIEW	M-SO33-NO01	C
6001812	REXFORD MWTP	M-SO34-NO01	C
6001813	SELDEN	M-SO36-NO01	C
6001814	SMITH CENTER MWTP	M-SO38-IO01	C
6001815	SMITH CENTER MWTP	M-SO38-IO01	C
6001818	STOCKTON MWTP	M-SO41-OO01	C
6001819	STOCKTON MWTP	M-SO41-OO01	C
6001820	TIPTON WWTF	M-SO42-OO01	C
6001821	WOODSTON MWTP	M-SO43-NO01	C
6001822	NICODEMUS TOWNSHIP #1	M-SO45-NO01	C

Public Water Supply: **MITCHELL CO RWD 2**
Assessment Area: **936**
Diversion Id's: **999**
Status: **Accepted**
Submit Date: **2003-01-30 15:36:40**

Added Sources:

The Added Sources section lists all the sites that have been added as potential sources of contamination by an evaluator through the assessment process to supplement the original data.

The potential sources listed in this section are sorted to show the added potential sources in Zone A first, Zone B second, and Zone C third.

Although a facility or business was added as a potential concern, it does not necessarily mean a release or spill has occurred. Contamination could only occur if certain chemical substances are released into the environment and filter into the water supply source.

Added Sources

Public Water Supply: **MITCHELL CO RWD 2**
Assessment Area: **936**

Added Potential Site Sources

Source No.	Source Name	SIC ID	Zone
9000851	Grove of trees	0	B
9000855	Grove of trees	0	B
9001176	grove of trees	0	B
9001264	grove of trees	0	B
9000437	Irrigation well pump site	10012	B
9000436	Fuel, grain and feed and hay storage	10026	B
9001071	Fuel, grain, and feed and hay storage	10026	B
9001074	Fuel, grain, and feed and hay storage	10026	B
9001177	Fuel, grain and feed and hay storage	10026	B
9001216	Fuel, grain and feed and hay storage	10026	B
9001263	Fuel, grain and feed and hay storage	10026	B
9001365	Fuel, grain and feed and hay storage	10026	B
9001367	Fuel, grain and feed and hay storage	10026	B
9001369	Fuel, grain and feed and hay storage	10026	B
9001387	Fuel, grain and feed and hay storage	10026	B
9001398	Fuel, grain and feed and hay storage	10026	B
9001625	Fuel, grain and feed and hay storage	10026	B
9000853	fuel, pesticide, and fertilizer storage	10038	B
9001232	rural housing development	10066	B
9000846	on-site wastewater facility	10067	B

Added Potential Site Sources

Source No.	Source Name	SIC ID	Zone
9001183	on-site wastewater facility	10067	B
9001397	discharging lagoons	10075	B
9001520	non-discharging lagoons	10075	B
9000688	pastureland with cattle	10080	B
9000690	pastureland with cattle	10080	B
9000963	pastureland	10080	B
9001077	pastureland	10080	B
9001179	pastureland	10080	B
9000432	alfalfa field	10086	B
9001311	range land	10087	B
9001644	pastureland	10087	B
9000845	wheat field	111	B
9000854	wheat field	111	B
9001072	cropland	111	B
9001073	cropland	111	B
9001174	cropland	111	B
9001370	Cropland	111	B
9000094	dryland cropland	115	B
9000689	dryland cropland	115	B
9000852	cropland	115	B

Added Potential Site Sources

Source No.	Source Name	SIC ID	Zone
9000964	cropland	115	B
9001078	cropland	115	B
9001175	cropland	115	B
9001180	cropland	115	B
9001184	cropland	115	B
9001203	cropland	115	B
9001366	Cropland	115	B
9001368	Cropland	115	B
9001399	cropland	115	B
9001505	cropland	115	B
9001521	cropland	115	B
9001624	cropland	115	B
9001627	cropland	115	B
9001642	cropland	115	B
9001643	cropland	115	B
9001645	cropland	115	B
9001658	cropland	115	B
9001190	oil wells	1381	B
9001504	oil wells	1381	B
9001659	oil wells	1381	B

Added Potential Site Sources

Source No.	Source Name	SIC ID	Zone
9001191	Gas Booster Station	1389	B
9001193	High Pressure Gas Pipeline	1389	B
9001192	Livestock Feedlot and Salvage Yard	212	B
9001189	Fertilizer Plant	2875	B
9001204	grain storage and ag. services	4221	B
9001409	grain storage and underground storage tanks	4221	B
9001261	Pipeline Crossing	4600	B
9001656	Petroleum Pipeline	4600	B
9001267	recreational area	7033	B
9000267	CRP and grassland with cattle horses	0	C
9000268	Fuel, grain, and feed and hay storage	10026	C
9001188	Residence	10052	C
9000433	on-site wastewater facility	10067	C
9000434	pastureland with stock cattle	10080	C
9000269	irrigated and dryland cropland	111	C
9001178	cropland	115	C
9001233	cropland	115	C
9001388	cropland	115	C
9001626	cropland	115	C
9001660	cropland	115	C

Added Potential Site Sources

Source No.	Source Name	SIC ID	Zone
9000270	oil and gas wells	1381	C
9001194	unknown	1381	C
9001657	oil wells	1381	C
9001021	Feedlot/Phase 1	211	C
9001186	Livestock Feedlot	211	C
9000435	Petroleum Pipelines (crude)	4600	C
9001271	Petroleum Pipeline	4600	C
9001195	Salt water tanks	1381	Q
9001029	Feedlot	211	Q
9001187	Livestock Feedlot	211	Q

Public Water Supply: **MITCHELL CO RWD 2**
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Potential Contaminants Summary:

The Contaminants Summary shows the number of identified unregulated sources in the assessment area for each contaminant of concern category.

In order to obtain the number of sources for each category, a relationship was correlated between each Standard Industrial Classification (SIC) and the contaminant of concern categories. Each SIC was assessed and associated with contaminant categories. For example, if not managed properly, a car wash (SIC 7542) could potentially contaminate an intake because of inorganic compounds (IOC) and volatile organic compounds (VOC); thus, a car wash is associated with IOCs and VOCs.

A chart displays a count for each contaminant category. The sum for each category represents the total number of identified sources that have been associated with that particular contaminant category. However, the total number of identified sources does not include contaminants from the Added Sources. In our example, a car wash would be considered 2 sources of contamination. It would be a potential source of contamination for IOCs and for VOCs; thus, 1 would be added to the total number of sources in the VOC category and 1 would be added to the IOC category.

Potential Contaminants Summary

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Number of Unregulated Site Sources Identified for each Contaminant Category

MicroBiological	Sedimentation	Pesticides	IOC's	SOC's	VOC's	E – P
66	80	47	256	48	157	77

A – Microbiological

B2 – Sedimentation

C* – Pesticides

B – Inorganic Compounds

C – Synthetic Organic Compounds

D – Volatile Organic Compounds

B1 – Eutrophication – Phosphorous

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Potential Contaminants Listing:

The Potential Contaminants section lists the contaminant of concern category associated with each Standard Industrial Classification (SIC) found in an assessment area. A complete list of contaminant category codes are located at the bottom of this page.

The relationships defined between the Standard Industrial Classifications (SIC) and the contaminant of concern categories are displayed in a table format. Using our car wash example, the relationships can be better illustrated. A car wash could release IOC and VOC chemical substances. The connection is shown by indicating the SIC, 7542, and the associated contaminant categories, IOC (Category B) and VOC (Category D). However, the contaminants listed are not associated with any Added Sources.

The list is sorted by the SIC source description and it only shows unique SIC sources. For example, an assessment area can have 20 car washes in an assessment area, but the list is only going to show contaminant categories associated with car washes onetime. This is because all car washes have the same SIC and every car wash poses the same potential threat to water intakes.

A – Microbiological	B – Inorganic Compounds	B1 – Eutrophication – Phosphorous
B2 – Sedimentation	B* – Nitrates	C – Synthetic Organic Compounds
C* – Pesticides	D – Volatile Organic Compounds	

Potential Contaminants Listing

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Unregulated Identified Site Sources and associated Potential Contaminant Category

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
2951	Asphalt Paving Mixtures And Blocks Manufacturing	inorganics, VOCs	B
"	"	"	D
7538	Auto Truck Repair Service	Inorganics, VOCs	B
"	"	"	D
7542	Car Wash	Inorganics, VOCs	B
"	"	"	B1
"	"	"	B2
"	"	"	D
211	Cattle Farm	Sanitary, Fertilizers TSS, pesticides, Erosion and sedimentation	A
"	"	"	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C*
212	Cattle Working Area	Sanitary, Fertilizers TSS	A
"	"	"	B
"	"	"	B1

Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
212	Cattle Working Area	Sanitary, Fertilizers TSS	B2
"	"	"	B*
2899	Chemical Preparations Manufacturing	VOCs, inorganics	D
5082	Construction and Mining Machinery	NA	NA
2041	Flour Mill and Other Food Grain Milling	BOD, TSS	A
"	"	"	B
5541	Gasoline Service Station	Inorganics, VOCs	B
"	"	"	D
7992	Golf Course	Fertilizers and pesticides	A
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C*
1611	Highway and Street Construction	Sedimentation	B2
4212	Local Trucking, without Storage	VOCs	D
3599	Machinery, Except Electrical Manufacturing	inorganics, VOCs	B
"	"	"	D
2011	Meat Packing Plant Manufacturing	BOD, pathogens, Oil and grease	A
"	"	"	B*

Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
6515	Mobile Home Park	Sanitary wastes, Fertilizers	A
"	"	"	B
"	"	"	B1
"	"	"	B*
1542	Nonresidential Construction	Sedimentation	B2
1389	Oil and Gas Field services	Oil, Salt Water	B
"	"	"	C
2879	Pesticides and Agricultural Chemicals Manufacturing	Semi volatiles and pesticides, Inorganics, etc	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C
"	"	"	C*
4789	Pipeline Terminal	Inorganics, VOCs	B
"	"	"	D
3089	Plastics products Manufacturing	inorganics, VOCs	B
"	"	"	D
3273	Ready-mix Concrete Plant	Minerals and TSS	B
7033	Recreational Vehicle Parks and Campsites	sanitary, fertilizers, pesticides	A

Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
7033	Recreational Vehicle Parks and Campsites	sanitary, fertilizers, pesticides	B
"	"	"	B1
"	"	"	B*
"	"	"	C*
5093	Scrap and Waste Materials	Metals, TSS	B
3993	Signs and Advertising Display Manufacturing	inorganics, VOCs	B
"	"	"	D
1521	Single-family Housing Construction	Oil, Paint, Pesticides, Fertilizers	A
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C
7532	Top, Body, and Upholstery Repair Shops and Paint Shops	Inorganics, VOCs	B
"	"	"	D
3792	Travel trailers and Campers Manufacturing	inorganics, VOCs	B
"	"	"	D
742	Veterinary Services, Specialties	Sanitary, Inorganics TSS	A
"	"	"	B
2434	Wood Kitchen Cabinets Manufacturing	TSS, VOCs	B

Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
2434	Wood Kitchen Cabinets Manufacturing	TSS, VOCs	D
752	Animal Specialty Services	Sanitary, fertilizers	A
"	"	"	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
2759	Commercial Printing NEC	Inorganics, VOCs, Semi volatiles	B
"	"	"	C
"	"	"	D
241	Dairy Farms	Sanitary, fertilizers	A
"	"	"	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
3523	Farm Machinery and Equipment	inorganics	B
"	"	"	D
4221	Farm Product Warehousing and Storage	TSS, VOCs	B
"	"	"	D
5083	Farm and Garden Machinery	inorganics	B

Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
191	General Farm, Primarily Crop	fertilizers, Pesticides	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C*
2711	Newspapers Publishing and Printing	Inorganics, VOCs, Semi volatiles	B
"	"	"	C
"	"	"	D
2048	Prepared Feeds For Animals and Fowls	Sanitary, Nitrates, phosphorous and pesticides	A
"	"	"	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C*
5012	Recreational vehicle sales and repair	Inorganics	B
4953	Refuse Systems	ALL	A
"	"	"	B
"	"	"	B1
"	"	"	B2

Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
4953	Refuse Systems	ALL	B*
"	"	"	C
"	"	"	C*
"	"	"	D
7699	Repair Services, Nec	inorganics	B

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Protection Measures:

The Protection Measures section shows water quality protection measures for the Standard Industrial Classifications (SIC) identified in the assessment area.

Previous sections of this report are designed to show areas that Public Water Supplies (PWS) can focus on to improve the susceptibility of an assessment area. This section helps identify water quality protection measures that a PWS can use as guidance for implementing action for a potential contaminant site in the assessment area. It focuses on protection measures that can reduce the risk of contamination to the water supply.

This portion of the report only displays water quality protection measures for each type of SIC found in the assessment area. It does not display protection measures for each site in the assessment area because every SIC should have the same or similar water quality protection management practices. However, the protection measures listed are not associated with any Added Sources.

Protection Measures

Public Water Supply: **MITCHELL CO RWD 2**

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Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
2951	Asphalt Paving Mixtures And Blocks Manufacturing	inorganics, VOCs	Collect and pre-treat wastewater. Control storm water runoff. Minimize ground contamination with petroleum or other products. Control storm water runoff to minimize TSS transport	40 CFR 443 and State or federal Storm water pollution prevention regulations
7538	Auto Truck Repair Service	Inorganics, VOCs	Discharge to POTW. Manage oil products and used oil so that it is not in contact with water	40 CFR 442 and
7542	Car Wash	Inorganics, VOCs	Install and maintain sediment and grease traps where appropriate	40 CFR 442
211	Cattle Farm	Sanitary, Fertilizers TSS, pesticides, Erosion and sedimentation	Proper application of fertilizers and pesticides. Proper cleaning of equipment and disposal of chemicals. Maintain riparian areas along waterways and keep cattle out of these areas. Proper Waste Management and Grazing Management.	KDHE– Livestock Waste Management Section, KAR 28–16, KDA, County Soil Conservation District, NRCS
212	Cattle Working Area	Sanitary, Fertilizers TSS	Treat wastewater. Maintain area to minimize runoff of sediment	40 CFR 412
2899	Chemical Preparations Manufacturing	VOCs, inorganics	Collect and pre-treat prior to discharge to a POTW	40 CFR 415 or 414 and State or federal Storm water pollution prevention regulations

Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
5082	Construction and Mining Machinery	NA	Discharge to POTW	NA
2041	Flour Mill and Other Food Grain Milling	BOD, TSS	Wastewater pretreatment and/or discharge to a POTW	40 CFR 122 and State or federal Storm water pollution prevention regulations
5541	Gasoline Service Station	Inorganics, VOCs	Maintain area to minimize fuel contamination	NA
7992	Golf Course	Fertilizers and pesticides	Proper application of fertilizers and pesticides. Proper cleaning of equipment and disposal of chemicals.	KDHE, KAR 28-16
1611	Highway and Street Construction	Sedimentation	Erosion and Sediment Control	KAR 28-16, KDHE
4212	Local Trucking, without Storage	VOCs	Discharge to a POTW	State or federal Storm water pollution prevention regulations

Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
3599	Machinery, Except Electrical Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	State or federal Storm water pollution prevention regulations
2011	Meat Packing Plant Manufacturing	BOD, pathogens, Oil and grease	Wastewater pretreatment and/or discharge to a POTW	40CFR 432 and State or federal Storm water pollution prevention regulations
6515	Mobile Home Park	Sanitary wastes, Fertilizers	Discharge to POTW. Minimize use of lawn chemicals	KAR 28–5
1542	Nonresidential Construction	Sedimentation	Erosion and Sediment Control	KAR 28–16, KDHE
1389	Oil and Gas Field services	Oil, Salt Water	Proper management of production wastes	KAR 28–41, 45, 40 CFR 435
2879	Pesticides and Agricultural Chemicals Manufacturing	Semi volatiles and pesticides, Inorganics, etc	Minimize contact of products with water. Contain and treat process wastewater. Minimize any outdoor storage	40 CFR 455 and State or federal Storm water pollution prevention regulations

Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
4789	Pipeline Terminal	Inorganics, VOCs	Maintain secondary containment for fuel storage and fueling areas. Maintain and inspect. Effect repairs promptly	NA
3089	Plastics products Manufacturing	inorganics, VOCs	Pre-treat wastewater prior to discharge. Minimize outdoor storage and control storm water runoff.	40 CFR 463 and State or federal Storm water pollution prevention regulations
3273	Ready-mix Concrete Plant	Minerals and TSS	Minimize outdoor storage and control storm water runoff.	State or federal Storm water pollution prevention regulations
7033	Recreational Vehicle Parks and Campsites	sanitary, fertilizers, pesticides	Discharge to POTW. Minimize use of lawn chemicals	NA
5093	Scrap and Waste Materials	Metals, TSS	Minimize contact with storm water	State or federal Storm water pollution prevention regulations
3993	Signs and Advertising Display Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	40 CFR 459 and State or federal Storm water pollution prevention regulations

Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
1521	Single-family Housing Construction	Oil, Paint, Pesticides, Fertilizers	Proper cleaning and disposal of household hazardous waste. Proper storage, application, and clean up of pesticides and fertilizers	KAR 28-48, KDHE, KDEM
7032	Sporting and Recreational Camps	sanitary, fertilizers, pesticides	Discharge to POTW. Minimize use of lawn chemicals	KAR 28-5
7532	Top, Body, and Upholstery Repair Shops and Paint Shops	Inorganics, VOCs	Discharge to POTW. Recycle where appropriate. Properly maintain oil product and waste. Manage paint and solvent wastes properly	NA
3792	Travel trailers and Campers Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	State or federal Storm water pollution prevention regulations
742	Veterinary Services, Specialties	Sanitary, Inorganics TSS	Discharge to POT	NA
2434	Wood Kitchen Cabinets Manufacturing	TSS, VOCs	Discharge of process waters to POTW. Minimize outdoor storage.	State or federal Storm water pollution prevention regulations

Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
752	Animal Specialty Services	Sanitary, fertilizers	Collect and treat wastes.	NA
2759	Commercial Printing NEC	Inorganics, VOCs, Semi volatiles	Recycle chemicals where possible. Discharge to POTW	40 CFR 459 and State or federal Storm water pollution prevention regulations
241	Dairy Farms	Sanitary, fertilizers	Collect and treat process wastes. Use good erosion control practices. Minimize storm water contact with contaminants.	40 CFR 405
3523	Farm Machinery and Equipment	inorganics	Discharge to POTW	State or federal Storm water pollution prevention regulations
4221	Farm Product Warehousing and Storage	TSS, VOCs	Keep the area clean of grain. Use grease traps.	State or federal Storm water pollution prevention regulations
5083	Farm and Garden Machinery	inorganics	Discharge to POTW	NA

Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
191	General Farm, Primarily Crop	fertilizers, Pesticides	Maintain good erosion control practices and minimize the use of chemicals	NA
2711	Newspapers Publishing and Printing	Inorganics, VOCs, Semi volatiles	Recycle chemicals where possible. Discharge to POTW	40 CFR 459 and State or federal Storm water pollution prevention regulations
2048	Prepared Feeds For Animals and Fowls	Sanitary, Nitrates, phosphorous and pesticides	Maintain animal feeding areas and feed storage areas to minimize contact with storm water. Collect and treat process wastes.	40 CFR 412 and State or federal Storm water pollution prevention regulations
5012	Recreational vehicle sales and repair	Inorganics	Discharge to a POTW. Store oils and lubricants properly	NA
4953	Refuse Systems	ALL	Store wastes properly in order to minimize contact with storm water.	Maintain the lagoon or storage vessel properly. Control storm water run on and runoff to minimize contamination of storm water
7699	Repair Services, Nec	inorganics	Discharge to POTW	NA

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Assessment Analysis:

The Assessment Analysis section displays the numbers assigned to each contaminant of concern category for each question in the susceptibility analysis.

This analysis is based on a decision tree framework consisting of a series of yes/no questions. These questions consider the proximity of contaminant sources to the water supply intake, the type of contaminant, and the application of pollution prevention or water quality protection practices to sources of contamination. As the evaluator moves through the analytical framework, susceptibility points are accumulated based on the presence of contaminant sources in the assessment area.

After all the questions have been answered, the SLS is calculated for each contaminant of concern category. The SLS is determined by counting the number of contamination risk factors found to occur in the delineated assessment area and applying a multiplier to this number. Because the number of contaminant category risk factors is not equal, the multiplier is used to establish a common scale for the SLS of each contaminant category.

Assessment Analysis

Public Water Supply: **MITCHELL CO RWD 2**

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Surface Water Single Well Analysis

A – Microbiological **B** – Inorganic Compounds

B1 – Eutrophication – Phosphorous

B2 – Sedimentation **C** – Synthetic Organic Compounds

C* – Pesticides **D** – Volatile Organic Compounds

No.	Question	Response	A	B	B1	B2	C	C*	D
1	Is the intake located at a treatment plant?	No	1	1	0	0	1	1	1
2	Is there an open channel conveyance from the intake to the treatment plant?	No	0	0	0	0	0	0	0
3	Does a PWS own or control the conveyance right-of-way?	No	1	1	0	0	1	1	1
4	Does a PWS own or control the area within 1/4 mile of intake?	No	1	1	0	0	1	1	1
5	Is the area within 1/4 mile of the intake entirely native grass?	No	1	1	0	0	1	1	1
6	Is transportation infrastructure in close proximity to the intake?	Yes	0	1	0	0	1	1	1
7	Are there water quality protection plans for the transportation infrastructure?	No	0	1	0	0	1	1	1
8	Are any commercial, industrial, or urban areas present?	No	0	0	0	0	0	0	0
9	Does each industrial/commercial site and urban area have a water quality protection plan in place?	Yes	0	0	0	0	0	0	0
10	Is riparian area vegetated?	Yes	0	0	0	0	0	0	0
11	Has riparian area been farmed up to the stream/riverbank?	No	0	0	0	0	0	0	0
12	Is there a lack of native grass or trees?	Yes	0	0	0	0	0	0	0
13	Is livestock use present in riparian area?	No	0	0	0	0	0	0	0
14	Are any confined livestock production sites in riparian area?	No	0	0	0	0	0	0	0
15	Is each confinement area registered with KDHE?	Yes	0	0	0	0	0	0	0
16	Are any row crops (corn, milo, soybean) present?	No	0	0	0	0	0	0	0
17	Are water quality protection plans in use for each cropland?	Yes	0	0	0	0	0	0	0

No.	Question	Response	A	B	B1	B2	C	C*	D
18	Are any orchards present?	No	0	0	0	0	0	0	0
19	Are water quality protection plans in use for each orchard?	Yes	0	0	0	0	0	0	0
20	Is the intake a river intake?	No	0	0	0	0	0	0	0
21	Is the intake at a city-owned lake?	No	1	1	1	1	1	1	1
22	Is there water quality monitoring conducted at the river or lake?	Yes	0	0	0	0	0	0	0
23	Is TMDL needed for any of the rivers or lakes?	Yes	1	1	1	1	1	1	1
24	Are TMDL pollutants of concern reported by monitoring?	Yes	0	0	0	0	0	0	0
25	Are any point source discharges within 16 miles upstream of intake?	Yes	1	1	1	1	1	0	1
26	Is pretreatment required at any of the point sources?	Yes	1	1	1	1	1	0	1
27	Are all riparian buffers vegetated?	Yes	0	0	0	0	0	0	0
28	Are vegetated riparian buffer and a water quality protection plans in place?	No	1	1	1	1	0	1	0
29	Is there urbanized land within riparian buffer?	No	0	0	0	0	0	0	0
30	Is a NPDES stormwater permit required for the urbanized areas?	No	1	1	1	1	1	1	1
31	Are voluntary water quality protection plans in place for each urbanized area?	Yes	0	0	0	0	0	0	0
32	Is there industrial land use within riparian buffer?	No	0	0	0	0	0	0	0
33	Is NPDES stormwater permit required for industrial areas?	No	1	1	1	1	1	1	1
34	Are voluntary water quality protection plans in place for each industrial area?	Yes	0	0	0	0	0	0	0
35	Are there livestock present?	Yes	1	0	1	0	0	1	0
36	Is there livestock confinement present?	Yes	1	0	1	0	0	1	0
37	Is each confined livestock facility registered with KDHE?	Yes	0	0	0	0	0	0	0
38	Are any row crops (corn, milo, soybeans) present?	Yes	0	0	1	1	0	1	0
39	Are water quality protection plans in use for each row crop production?	No	0	0	1	1	0	1	0
40	Are any orchards present?	No	0	0	0	0	0	0	0
41	Are water quality protection plans in use for each orchard?	Yes	0	0	0	0	0	0	0
42	Is there any small grain (wheat, oats, barley) production?	Yes	0	0	1	1	0	1	0
43	Are water quality protection plans in use for each small grain production?	No	0	0	1	1	0	1	0
44	Are there unsewered developments (concentrations of lagoons or septic systems) present in Zone B?	No	0	0	0	0	0	0	0
45	Is a general watershed water quality protection plan in use?	No	1	1	1	1	1	1	1
46	Are any point source discharges within 16 miles upstream of intake?	Yes	0	0	0	0	0	0	0
47	Is pretreatment required at any of the point sources?	Yes	1	1	1	1	1	0	1

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Site Comments:

The Site Comments section lists all the comments that were added for the potential sources of contamination found in the assessment area.

Local comments and feedback from people that are familiar with the assessment area is an important aspect of the assessment. The comments greatly improve the assessment by adding detail to the sites that can be referenced for more information.

This local information may include comments on potential contamination threats (or lack there of), local water quality protection initiatives, etc. Adding comments are optional and are mainly focused on sources in areas that could have the greatest impact on water supply if a spill or release occurred in the environment. It is left to the discretion of the PWS and/or source water assessment committee to add comments.

Site Comments

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Comments for Unregulated Sites

Did Not Receive Any Comments

Comments for Regulated Confined Animal Feeding Operations Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
Bienhoff, Robert	2002102	This swine and beef facility has no groundwater monitoring requirements.	Nicole Fisher
Book, Gailard	2000344	This dairy facility has no groundwater monitoring requirements.	Nicole Fisher
Carswell, Darwin	2002100	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Carswell, Deryl	2001123	This swine facility has no groundwater monitoring.	Nicole Fisher
Chester, Cecil	2001100	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Cordel, Edward A.	2000918	This cattle livestock facility has no water quality protection plans.	Nicole Fisher

Comments for Regulated Confined Animal Feeding Operations Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
Corpstein Brothers	2001939	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Ducharm, Alfred L.	2000776	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Eck, Leon	2001428	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
G.h.k. Farms	2002435	There is no groundwater monitoring at this facility. All run off from the pen flows onto adjacent cropland.	Nicole Fisher
Goetz, Dean	2002112	This swine facility has no groundwater monitoring.	Nicole Fisher
H D Cattle Company	2002278	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Henke, Randy	2001114	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Holling, Ronald	2001201	This swine facility has no groundwater monitoring.	Nicole Fisher
Kriley, Robert	2000989	This swine facility has no groundwater monitoring.	Nicole Fisher
La Rosh, Jhan	2000718	This dairy facility has no groundwater monitoring requirements.	Nicole Fisher
Levin Farms, Inc.	2001896	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
MPK Land Livestock Llc	2002658	This swine and beef facility has no groundwater monitoring requirements.	Nicole Fisher
Mans, Richard	2000428	This cattle livestock facility has no water quality protection plans.	Nicole Fisher

Comments for Regulated Confined Animal Feeding Operations Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
McCreynold's Farms	2002319	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Miller, Steven D. Farms	2000907	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Morris, James L.	2001849	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Nichols Feedyard	2002249	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Norden Bros., Inc.	2002247	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Roach Brothers	2000750	This swine facility has no groundwater monitoring.	Nicole Fisher
Schamberger, Clarence	2001957	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Schmitt, Ralph	2001433	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Schooler Farms	2001556	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Stamper Kent	2001110	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Sunny Slope Dairy	2000657	This dairy facility has no groundwater monitoring requirements.	Nicole Fisher
Tien, Henry	2002098	This swine and beef facility has no groundwater monitoring requirements.	Nicole Fisher
Van Loenen Farms, L.L.C.	2000911	This cattle livestock facility has water quality protection plans.	Nicole Fisher

Comments for Regulated Confined Animal Feeding Operations Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
Vaughn Feedlot	2002624	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Wagner, Eugene	2001934	This cattle livestock facility has no water quality protection plans.	Nicole Fisher
Zable, Loren	2002433	This cattle livestock facility has no water quality protection plans.	Nicole Fisher

Comments for Regulated Hazardous Waste Sites

Did Not Receive Any Comments

Comments for Regulated Leaking Storage Tank Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
City Of Hill City	3000806	The site is closed from a diesel spill in 1990. No groundwater contamination was suspected.	Nicole Fisher
Dg Hansen Scout Reservation	3002246	The site is closed from a diesel spill in 1991. No groundwater contamination was suspected.	Nicole Fisher
Farmway Coop Elevator	3000166	The site is closed from a 1992 gasoline spill. No groundwater contamination was suspected.	Nicole Fisher
Farmway Coop, Bulk	3002406	The site is currently being monitored from a 1995 ruby red diesel spill. One public water well and one domestic water well were within .25 miles downgradient of the spill. For information contact Russ England (785) 291-3793	Nicole Fisher
Fraziers Service	3000167	The site is currently being monitored from a 1991 gasoline and diesel spill. Groundwater contamination was confirmed. For information contact Debra Cortez (785) 296-6370	Nicole Fisher

Comments for Regulated Leaking Storage Tank Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
Gaylord Service	3000162	The site is closed from a 1999 gasoline leak. No groundwater contamination was suspected.	Nicole Fisher
Glen Elder St Park	3000840	The site is closed from a gasoline leak in 1992. No contamination was detected in the groundwater.	Nicole Fisher
Kdot, Osborne	3001744	The site is closed from a 1990 gasoline spill. Groundwater contamination is unknown.	Nicole Fisher
Mccarty Garage	3001136	The site is closed from a gasoline spill in 1995. No groundwater contamination was suspected.	Nicole Fisher
Midway Coop, Alton	3000031	The site is closed from a leak in 1989. The tank was removed; no groundwater contamination was suspected.	Nicole Fisher
New Almelo Oil	3000175	The site is closed from a gasoline leak in 1990. No significant odors or signs of gasoline were present.	Nicole Fisher
Osborne Co Mem Hospital	3000524	The site is closed from a diesel spill in 1990. Groundwater contamination is unknown.	Nicole Fisher
Wagoner Oil	3000173	The site is closed from a gasoline leak in 1990. No groundwater contamination was suspected. The tanks were removed.	Nicole Fisher

Comments for Regulated Identified Contaminated Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
ALTON PWS WELL #1	7000917	This site had high levels of nitrate following the 1993 flood. For more information please contact Stephanie Schauer (785) 291-3066	Nicole Fisher
CAWKER CITY SITE	7000797	Private water wells and groundwater are contaminated with volatile organic compounds from an unknown source. Long-term monitoring has been established. For information contact Maura O'Halloran (785) 296-0268	Nicole Fisher

Comments for Regulated Identified Contaminated Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
DOWNS PWS #3	7000916	Private water wells, the public water supply, and groundwater have all been contaminated with volatile organic compounds from an abandoned facility. For information contact Dan Nicoski (785) 296–8025	Nicole Fisher
GAYLORD PWS WELL #4	7000934	The public water supply and groundwater are contaminated with volatile organic compounds from a local business. The nitrate levels are now below required levels. For information contact Donna Porter (785) 296–1936	Nicole Fisher
KENSINGTON NITRATE PROBLEM	7000933	The soil, groundwater, public water wells, and private water wells have been contaminated with nitrated from a local coop. KDHE is negotiating a Consent Order with the Coop. For information contact Tom Peterson (785) 296–5555	Nicole Fisher
KIRWIN COOP	7000919	The groundwater and soil are contaminated with refined petroleum from an underground tank and piping. For information contact Trevor Flynn (785) 296–0699	Nicole Fisher
KIRWIN PWS SITE	7000920	The public water supply, groundwater, and soil are contaminated with nitrates from a coop. The city has found a new uncontaminated PWS well field. The city is working on bringing the well field into service. For information contact Tom Peterson (785) 296–5555	Nicole Fisher
ROYAL ACID	7000907	The soil and groundwater was contaminated with chlorides from a former industrial operation. Four domestic water wells have had increased chloride levels since 1986. For more information please contact Maura O'Halloran at (785) 296–0268.	Nicole Fisher

Comments for Regulated Solid Waste Sites

Did Not Receive Any Comments

Comments for Regulated Waste Water Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
AGRA MWTP	6001777	This facility uses non–discharging lagoons.	Nicole Fisher
ALTON MWTP	6001778	This facility uses non–discharging lagoons.	Nicole

			Fisher
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Comments for Regulated Waste Water Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
GAYLORD MWTP	6001788	This facility uses non–discharging lagoons.	Nicole Fisher
HANSEN, DANE G. SCOUT RESERVATION	6000491	This facility uses nondischarging lagoons.	Nicole Fisher
HILL CITY MWTP	6001793	This facility frequently discharges water with high levels of ammonia into the Solomon River by the South Fork Solomon.	Nicole Fisher
KDWP – GLEN ELDER(EAST)	6001790	This facility uses nondischarging lagoons.	Nicole Fisher
KIRWIN MWTP	6001799	This facility uses non–discharging lagoons.	Nicole Fisher
LENORA	6001801	This facility uses nondischarging lagoons.	Nicole Fisher
MORLAND MWTP	6001806	This facility uses non–discharging lagoons.	Nicole Fisher
PRAIRIE VIEW	6001811	This facility uses nondischarging lagoons.	Nicole Fisher
REXFORD MWTP	6001812	This facility uses nondischarging lagoons.	Nicole Fisher
SELDEN	6001813	This facility uses nondischarging lagoons.	Nicole Fisher
STOCKTON INDUSTRIAL PARK	6000907	This facility uses nondischarging lagoons.	Nicole Fisher
WOODSTON MWTP	6001821	This facility uses nondischarging lagoons.	Nicole Fisher

Public Water Supply: **MITCHELL CO RWD 2**
Assessment Area: **936**
Diversion Id's: **999**
Status: **Accepted**
Submit Date: **2003-01-30 15:36:40**

Added Site Comments:

The Added Site Comments section lists the comments for why sites were added as a potential source of contamination found to the assessment area.

Added Site Comments

Public Water Supply: **MITCHELL CO RWD 2**

Assessment Area: **936**

Comments for Added Contaminant Sites

Added Contaminant Site Name	Site No.	Site Comments	Author
CRP and grassland with cattle horses	9000267	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
Cropland	9001366	This site could contaminate the public water supply.	Nicole Fisher
Cropland	9001368	This site could contaminate the public water supply.	Nicole Fisher
Cropland	9001370	This site could contaminate the public water supply.	Nicole Fisher
Feedlot	9001029	200 head feedlot in close proximity to both the Solomon River and Stockton Well Heads.	Dan Sarian
Feedlot/Phase 1	9001021	Feedlot is in close proximity to both the Solomon River and Stockton and Plainville's wellheads.	Dan Sarian
Feedlot/Phase 1	9001021	Feedlot is in close proximity to both the Solomon River and Stockton and Plainville's wellheads.	Dan Sarian
Feedlot/Phase 1	9001021	Please remove this potential contamination source. I added this one by mistake.	Dan Sarian
Fertilizer Plant	9001189	Potential contamination from fertilizer operations.	Dan Sarian
Fuel, grain and feed and hay storage	9000436	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher

Comments for Added Contaminant Sites

Added Contaminant Site Name	Site No.	Site Comments	Author
Fuel, grain and feed and hay storage	9001177	This site could contaminate the public water supply.	Nicole Fisher
Fuel, grain and feed and hay storage	9001216	This site could contaminate the public water supply.	Nicole Fisher
Fuel, grain and feed and hay storage	9001263	This site could contaminate the public water supply.	Nicole Fisher
Fuel, grain and feed and hay storage	9001365	This site could contaminate the public water supply.	Nicole Fisher
Fuel, grain and feed and hay storage	9001367	This site could contaminate the public water supply.	Nicole Fisher
Fuel, grain and feed and hay storage	9001369	This site could contaminate the public water supply.	Nicole Fisher
Fuel, grain and feed and hay storage	9001387	This site could contaminate the public water supply.	Nicole Fisher
Fuel, grain and feed and hay storage	9001398	This site could contaminate the public water supply.	Nicole Fisher
Fuel, grain and feed and hay storage	9001625	This site could contaminate the public water supply.	Nicole Fisher
Fuel, grain, and feed and hay storage	9000268	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
Fuel, grain, and feed and hay storage	9001071	This site could contaminate the public water supply.	Nicole Fisher
Fuel, grain, and feed and hay storage	9001074	This site could contaminate the public water supply.	Nicole Fisher

Comments for Added Contaminant Sites

Added Contaminant Site Name	Site No.	Site Comments	Author
Gas Booster Station	9001191	Potential for Gas Leak	Dan Sarian
Grove of trees	9000851	This site is an important buffer which protects the well from possible contamination.	Nicole Fisher
Grove of trees	9000855	This site is an important buffer to prevent possible contamination into the public water supply.	Nicole Fisher
High Pressure Gas Pipeline	9001193	This pipeline runs north south right through our well field.	Dan Sarian
Irrigation well pump site	9000437	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
Livestock Feedlot	9001186	Feedlot operation exists at this location. Number of head is unknown.	Dan Sarian
Livestock Feedlot	9001187	A feedlot exists at this location. Number of head is unknown.	Dan Sarian
Livestock Feedlot and Salvage Yard	9001192	Potential of animal waste runoff and potential contaminates from junk located on property.	Dan Sarian
Petroleum Pipeline	9001271	Pipeline is suspended over North Fork Solomon River. Pipeline is buried along west side of road.	Douglas Helmke
Petroleum Pipeline	9001656	Petroleum pipeline is buried along west side of road, except for elevated crossing of SF Solomon River. Signs direct emergency	Douglas Helmke
Petroleum Pipelines (crude)	9000435	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
Pipeline Crossing	9001261	Petroleum pipeline makes elevated crossing over North Fork Solomon River at this location. Pipeline is buried throughout remain	Douglas Helmke

Comments for Added Contaminant Sites

Added Contaminant Site Name	Site No.	Site Comments	Author
Residence	9001188	Mr. Bigge has accumulated a large amount of old cars, salvage materials and junk. It's difficult to know what potential contami	Dan Sarian
Salt water tanks	9001195	Potential contamination from salt water tank batteries.	Dan Sarian
alfalfa field	9000432	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
cropland	9000852	This site could possibly contaminate the public water supply.	Nicole Fisher
cropland	9000964	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001072	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001073	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001078	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001174	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001175	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001178	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001180	This site could contaminate the public water supply.	Nicole Fisher

Comments for Added Contaminant Sites

Added Contaminant Site Name	Site No.	Site Comments	Author
cropland	9001184	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001203	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001233	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001388	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001399	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001505	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001521	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001624	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001626	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001627	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001642	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001643	This site could contaminate the public water supply.	Nicole Fisher

Comments for Added Contaminant Sites

Added Contaminant Site Name	Site No.	Site Comments	Author
cropland	9001645	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001658	This site could contaminate the public water supply.	Nicole Fisher
cropland	9001660	This site could contaminate the public water supply.	Nicole Fisher
discharging lagoons	9001397	This site could contaminate the public water supply.	Nicole Fisher
dryland cropland	9000094	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
dryland cropland	9000689	This information was obtained from the Wellhead Protection Plan.	James Dull
fuel, pesticide, and fertilizer storage	9000853	This site could possibly contaminate the public water supply.	Nicole Fisher
grain storage and ag. services	9001204	This site could contaminate the public water supply.	Nicole Fisher
grain storage and underground storage tanks	9001409	This site could contaminate the public water supply.	Nicole Fisher
grove of trees	9001176	This is an important buffer to prevent contamination into the public water supply.	Nicole Fisher
grove of trees	9001264	This is an important buffer to prevent contamination into the public water supply.	Nicole Fisher
irrigated and dryland cropland	9000269	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher

Comments for Added Contaminant Sites

Added Contaminant Site Name	Site No.	Site Comments	Author
non-discharging lagoons	9001520	This site could contaminate the public water supply.	Nicole Fisher
oil and gas wells	9000270	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
oil wells	9001190	Oil contamination	Dan Sarian
oil wells	9001504	This site could contaminate the public water supply.	Nicole Fisher
oil wells	9001657	This site could contaminate the public water supply.	Nicole Fisher
oil wells	9001659	This site could contaminate the public water supply.	Nicole Fisher
on-site wastewater facility	9000433	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
on-site wastewater facility	9000846	This is a possible source of contamination for the public water supply.	Nicole Fisher
on-site wastewater facility	9001183	This site could contaminate the public water supply.	Nicole Fisher
pastureland	9000963	This site could contaminate the public water supply.	Nicole Fisher
pastureland	9001077	This site could contaminate the public water supply.	Nicole Fisher
pastureland	9001179	This site could contaminate the public water supply.	Nicole Fisher

Comments for Added Contaminant Sites

Added Contaminant Site Name	Site No.	Site Comments	Author
pastureland	9001644	This site could contaminate the public water supply.	Nicole Fisher
pastureland with cattle	9000688	This information was obtained from the Wellhead Protection Plan.	James Dull
pastureland with cattle	9000690	This information was obtained from the Wellhead Protection Plan.	James Dull
pastureland with stock cattle	9000434	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
range land	9001311	This site could contaminate the public water supply.	Nicole Fisher
recreational area	9001267	This site could contaminate the public water supply.	Nicole Fisher
rural housing development	9001232	This site could contaminate the public water supply.	Nicole Fisher
unknown	9001194	Potential contamination from old salt water tank batteries.	Dan Sarian
wheat field	9000845	This is a possible source of contamination for the public water supply.	Nicole Fisher
wheat field	9000854	This site could possibly contaminate the public water supply.	Nicole Fisher

Public Water Supply: **MITCHELL CO RWD 2**
Assessment Area: **936**
Diversion Id's: **999**
Status: **Accepted**
Submit Date: **2003-01-30 15:36:40**

Analysis Question Comments:

The Analysis Question Comments section lists all the comments that were added during analysis portion of the assessment, in which a series of yes/no questions were asked.

Evaluators have the option to add comments to questions to clarify why a response was given or to give more details to a question. Local comments and feedback from people that are familiar with the assessment area is an important aspect of the assessment. The comments greatly improve the assessment by adding clarification and details that could not be identified with a simple yes or no response.

Analysis Question Comments

Public Water Supply: **MITCHELL CO RWD 2**

Assessment Area: **936**

Comments for Analysis Questions

Analysis Question	Question Comments	Author
Is TMDL needed for any of the rivers or lakes?	unknown	Carl Graff
Is TMDL needed for any of the rivers or lakes?	unknown	Carl Graff
Are TMDL pollutants of concern reported by monitoring?	unknown	Carl Graff
Are TMDL pollutants of concern reported by monitoring?	unknown	Carl Graff
Are TMDL pollutants of concern reported by monitoring?	unknown	Carl Graff
Are any point source discharges within 16 miles upstream of intake?	unknown	Carl Graff
Are any point source discharges within 16 miles upstream of intake?	unknown	Carl Graff
Is pretreatment required at any of the point sources?	unknown	Carl Graff